

## ABSTRACT

An apparatus and method are provided for contacting at least two chemical species, comprising a support plate having a channel for receiving a mobile chemical species and a fiber, having a second chemical species immobilized thereon,  
5 disposed on the support plate. At least a portion of the fiber is exposed to the channel such that the mobile chemical species is capable of contacting the second chemical species. An apparatus and method for reading the fiber array, an apparatus and method for making the fiber array, and methods of using the fiber array of the present invention are also provided.